

# IK209 GPS Tracker

## User Manual V1.0



## **Preface**

Congratulations on choosing the icar GPS IK209 Asset GPS tracker. This manual shows how to easily program and setup the tracker for best results. Make sure to read this manual carefully before using this product, so as to avoid delays or confusion with it's operation. Please note that specifications and instructions are subject to change without notice to facilitate product improvement. Updates and changes will be integrated into the latest release. The manufacturer assumes no responsibility for any errors or omissions in outdated documents.

## 1. Overview

IK209 is a Asset GPS tracker.

## 2. Features

- Real-timing tracking
- GPS+WiFi Positioning
- History record check
- Geo-Fence alarm
- Low battery alarm
- Power saving mode
- PC & Mobile App tracking
- Mini Hidden
- IP65 Water resistant
- Remove Alarm
- One way communication

## 3. Applications

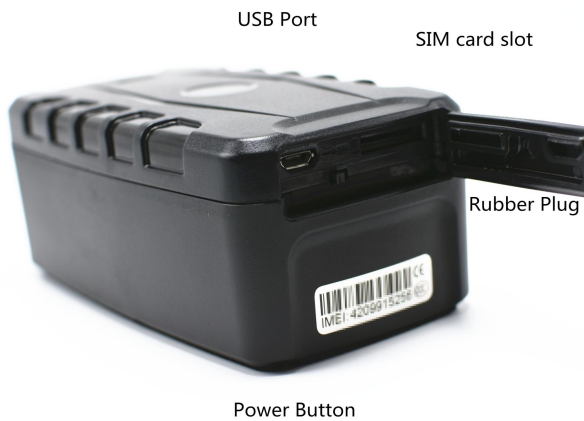
- Luggage tracking
- Container tracking
- Logistics tracking

## 4. Specifications

Item	Specifications
Dimension	115*65*25mm/120*65*35mm/120*65*50mm
Weight	175g/250g/365g (2G version) 192g/290g/444g (3Gversion)
Charger	DC 5V/1A
Backup battery	3.7V 6000mAh/10000mAh/20000mAh
Power consumption	40mA standby current
Working temperature	-20°C to 65°C
Item	Specifications
Cellular Bands	<b>GSM:</b> 850/900/1800/1900Mhz
Positioning	GPS, AGPS, LBS

Tracking Sensitivity	-162 dBm
Sensor	Accelerometer
LED	RED/GREEN/BLUE
SIM Card interface	Mini SIM
Waterproof	IP67

## 5. IK209 interface



## 6. In the box

- 1\* IK209 GPS Tracker
- 1\* Quick Start Guide
- 1\* Screw Driver
- 1\* Charge Cable

## 7. Installation

### 7.1 SIM Card installation

- Get ready a **Mini Sim Card** that support **GSM&GPRS** with 30MB data per month
- Open the top housing
- Insert **Sim card** to sim card slot correctly
- Devices would turn on autoly (green led will blinking).
- After that the device will be ready.

### 7.2 LED Indications

	Flash	Fix	Off
Green Light	GSM/GPRS conversation start	No GPRS signal	Power off or in sleep mode

Blue Light	GPS location successful	No GPRS signal	Power off or in sleep mode
Red Light		charging	Full battery or charged full

## 8. SMS Commands List

Function	Command Format	Reply	for example
APN	apn+123456+space+content	apn ok	apn123456 cmnet
	apnuser+123456+space+content	apnuser ok	
	apnpasswd+123456+space+content	apnpasswd ok	
admin number	admin123456+space+admin phone number	admin ok	admin123456 186*****
Domain	SZCS,123456,DOMAIN=a.icargps.net:7700	Domain ok	SZCS,123456,DOMAIN=a.icargps.net:7700
upload frequency	Upload123456 time(unit/s)	OK	Upload123456 10
Monitor	Monitor123456	monitor OK	Monitor123456
SOS	SOS,phone1 number,phone2 number	SOS! S1: S2:	SOS,186*****,189*****
Position	where	Google map Link	where
Restart Device	RST	Device would restart immediately	RST
Check	Param1	details of device	Param1
Status	Status	Status of device	Status
Back to factory	Format	OK	Format

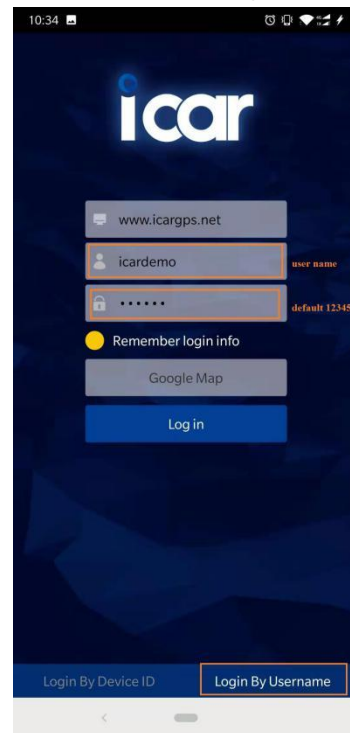
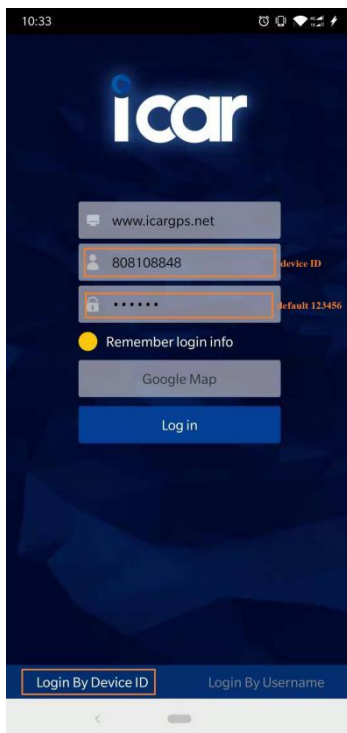
## 9. App & PC Tracking platform

### 9.1 App install & Login

- Search “**ICAR GPS**” in Google Play or iOS store(or scan the following QR code) to download the Mobile APP;



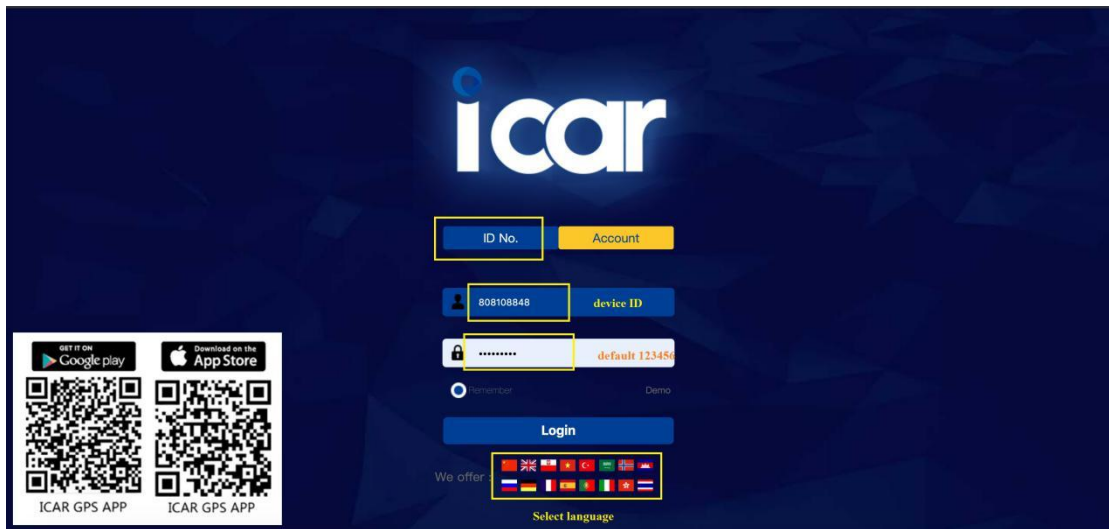
- Choose the” **Login by Device No.**,
- Input **your device's ID number** and password(default is 123456) to login.



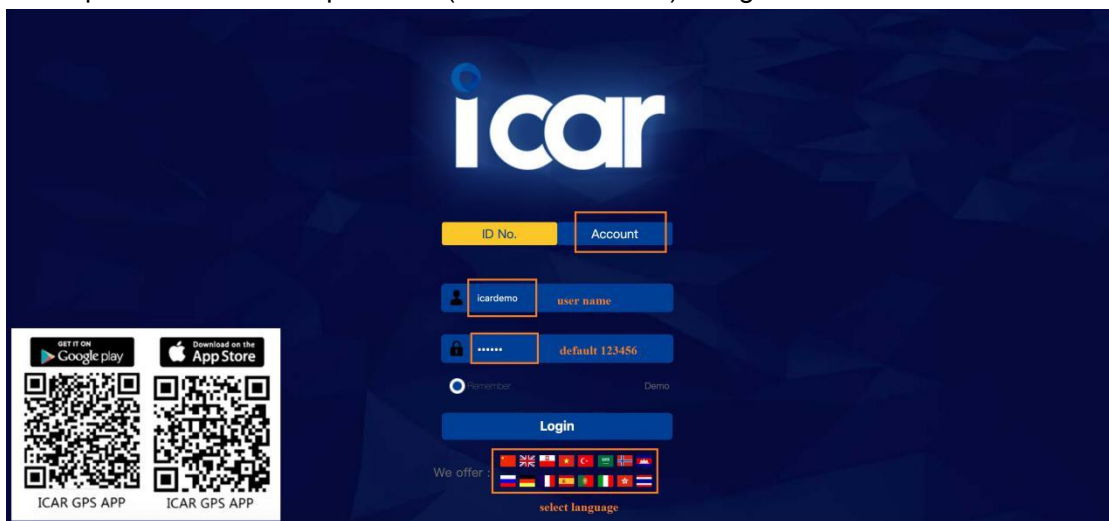
- Choose the” **Login by User name.**,
- Input **your user name** and password(default is 123456) to login.

## 9.2 PC login

- Web: [www.icargps.net](http://www.icargps.net), Choose “ID No.”
- Input **your device's ID number** and password(default is 123456) to log in



- Web: [www.icargps.net](http://www.icargps.net), Choose “Account”
- Input **user name** and password(default is 123456) to log in



## 10. FAQ

- Q: **Start up Fail?**
- A: Check the device power on or not.
  
- Q: **The device can not obtain location information?**
- A: Place the unit at the open area to test.
  
- Q: **How to choose SIM card?**
- A: the SIM card must support GSM&GPRS, and ensure that the card has enough currency and credit.
  
- Q: **How to use in the foreign countries?**
- A: please set the APN before use, please edit the text "APN123456 CMNET " and send it to the SIM card of the device, CMNET is Chinese operator's APN, Replace the corresponding APN when use in other countries, APN details, please consult your local SIM card carrier.